KitchenAid® 30" (76.2 cm) Double Oven Dual Fuel Range

PRODUCT MODEL NUMBERS

KDRS505X

GAS SUPPLY REQUIREMENTS

Type of Gas

Natural gas:

This range is design-certified by CSA International for use with Natural gas or, after proper conversion, for use with LP gas.

- This range is factory set for use with Natural gas. See "Gas Conversions" section. The model/serial rating plate located behind the control panel has information on the types of gas that can be used. If the types of gas listed do not include the type of gas available, check with the local gas supplier.

LP gas conversion:

Conversion must be done by a qualified service technician.

No attempt shall be made to convert the appliance from the gas specified on the model/serial rating plate for use with a different gas without consulting the serving gas supplier. See "Gas Conversions" section.

Gas Supply Line

- Provide a gas supply line of ¾" (1.9 cm) rigid pipe to the range location. A smaller size pipe on longer runs may result in insufficient gas supply. With LP gas, piping or tubing size can be ½" (1.3 cm) minimum. Usually, LP gas suppliers determine the size and materials used in the system.
  NOTE: Pipe-joint compounds that resist the action of LP gas must be used. Do not use TEFLON®† tape.

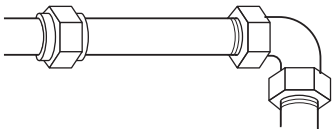
Flexible metal appliance connector:

- If local codes permit, a new CSA design-certified, 4 to 5 ft (122 to 152.4 cm) long, ½" (1.3 cm) or ¾" (1.9 cm) I.D., flexible metal appliance connector may be used for connecting range to the gas supply line.

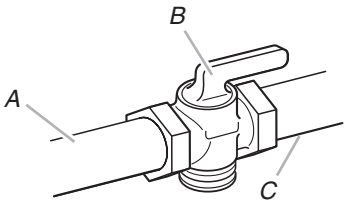
- A ½" (1.3 cm) male pipe thread is needed for connection to the female pipe threads of the inlet to the appliance pressure regulator.
- Do not kink or damage the flexible metal tubing when moving the range.

Rigid pipe connection:

The rigid pipe connection requires a combination of pipe fittings to obtain an in-line connection to the range. The rigid pipe must be level with the range connection. All strains must be removed from the supply and fuel lines so range will be level and in line.



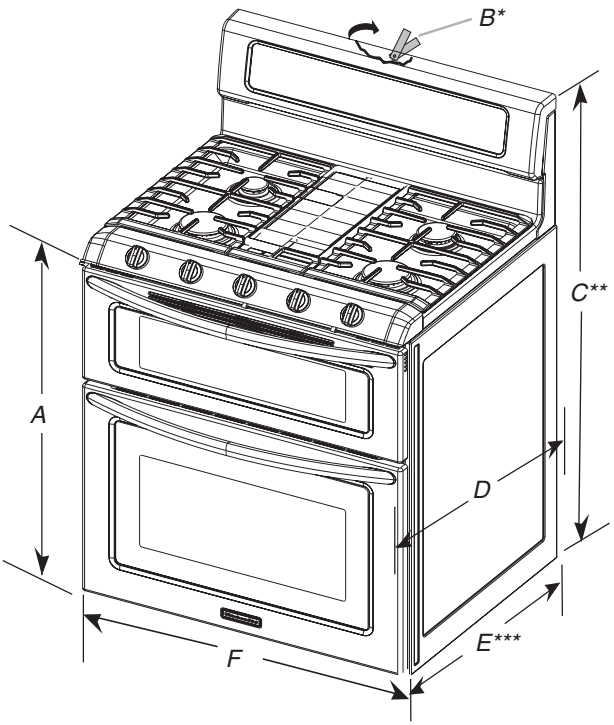
- Must include a shutoff valve:
  The supply line must be equipped with a manual shutoff valve. This valve should be located in the same room but external to the range opening, such as an adjacent cabinet. It should be in a location that allows ease of opening and closing. Do not block access to shutoff valve. The valve is for turning on or shutting off gas to the range.



A. Gas supply line
B. Shutoff valve "open" position
C. To range

†®TEFLON is a registered trademark of E.I. Du Pont De Nemours and Company.

PRODUCT DIMENSIONS



A. 35¾" ± ⅛" (90.8 ± 0.3 cm) cooktop height (minimum) with leveling legs screwed all the way in
*B. Model/serial/rating plates (located behind the control panel)**
*C. 47⅛" ± ⅛" (119.7 ± 0.3 cm) overall height (minimum) with leveling legs screwed all the way in***
D. 28½" ± ¼" (72.4 ± 0.6 cm) depth with handle
E. 26⅛" ± ⅛" (66.4 ± 0.3 cm)
F. 29¹⁵⁄₁₆" ± ¹⁄₁₆" (76.0 ± 0.2 cm) width

* Model/serial/rating plates may be rotated up from behind the control panel for viewing from the front of the range.

** Range can be raised approximately 1" (2.5 cm) by adjusting the leveling legs.

*** Excludes handle. Dimension given is from wall to front of oven door and will vary based on electric outlet receptacle installation.

ELECTRICAL REQUIREMENTS

To properly install your range, you must determine the type of electrical connection you will be using and follow the instructions provided for it here.

- Range must be connected to the proper electrical voltage and frequency as specified on the model/serial number rating plate. The model/serial number rating plate is located behind the control panel. Refer to the figures in "Product Dimensions" in the "Location Requirements" section.
- This range is manufactured with the neutral terminal connected to the cabinet. Use a 3-wire, UL listed, 40- or 50-amp power supply cord (pigtail) (see following Range Rating chart). If local codes do not permit ground through the neutral, use a 4-wire power supply cord rated at 250 volts, 40 or 50 amps and investigated for use with ranges.

Range Rating*		Specified Rating of Power Supply Cord Kit and Circuit Protection
120/240 Volts	**120/208 Volts**	**Amps**
8.8 - 16.5 KW	7.8 - 12.5 KW	40 or 50**
16.6 - 22.5 KW	12.6 - 18.5 KW	50

* The NEC calculated load is less than the total connected load listed on the model/serial rating plate.

** If connecting to a 50-amp circuit, use a 50-amp rated cord with kit. For 50-amp rated cord kits, use kits that specify use with a nominal 1⅜" (34.9 mm) diameter connection opening.

Because Whirlpool Corporation policy includes a continuous commitment to improve our products, we reserve the right to change materials and specifications without notice.

Dimensions are for planning purposes only. For complete details, see Installation Instructions packed with product. Specifications subject to change without notice.

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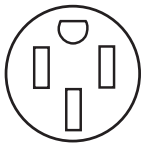
ELECTRICAL REQUIREMENTS (cont.)

- A circuit breaker is recommended.
- The range can be connected directly to the circuit breaker box (or fused disconnect) through flexible or nonmetallic sheathed, copper or aluminum cable. See the "Electrical Connection - U.S.A. Only" section.
- Allow 2 to 3 ft (61.0 cm to 91.4 cm) of slack in the line so that the range can be moved if servicing is ever necessary.
- A UL listed conduit connector must be provided at each end of the power supply cable (at the range and at the junction box).
- Wire sizes and connections must conform with the rating of the range.
- The wiring diagram is located on the back of the range or in a clear plastic bag.

Range Rating*		Rating of Power Supply Cord	Circuit Protection
120/240 Volts	**120/208 Volts**	**Amps**	**Amps**
8.8 - 16.5 KW	7.8 - 12.5 KW	40	40 or 50
16.6 - 22.5 KW	12.6 - 18.5 KW	50	50

***** The NEC calculated load is less than the total connected load listed on the model/serial rating plate.

- A time-delay fuse or circuit breaker is recommended.
- This range is equipped with a CSA International Certified Power Cord intended to be plugged into a standard 14-50R wall receptacle. Be sure the wall receptacle is within reach of range's final location.



- Do not use an extension cord.

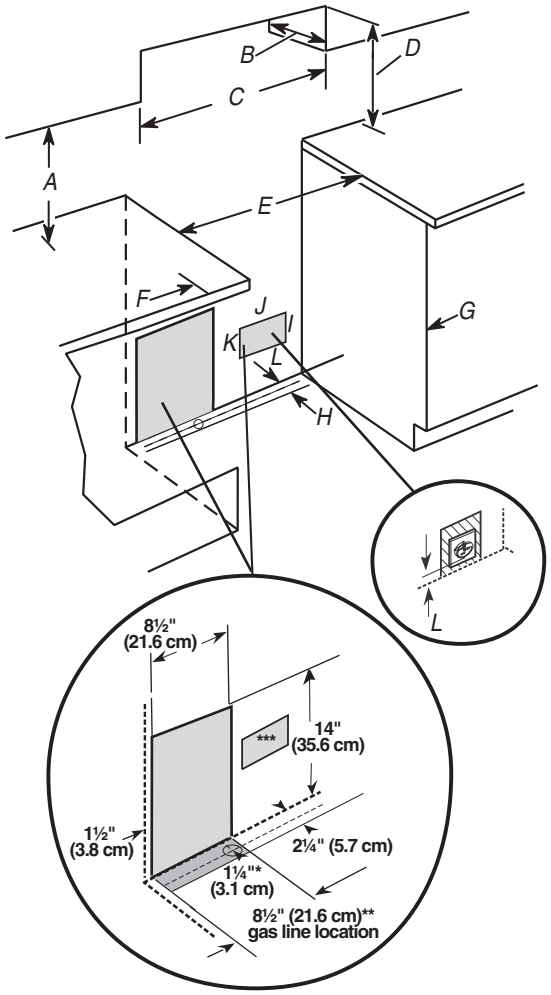
CABINET OPENING DIMENSIONS

Cabinet opening dimensions shown are for 25" (64.0 cm) countertop depth, 24" (61.0 cm) base cabinet depth and 36" (91.4 cm) countertop height.

IMPORTANT: If installing a range hood or microwave hood combination above the range, follow the range hood or microwave hood combination installation instructions for dimensional clearances above the cooktop surface.

Range may be installed with zero clearance to combustible construction at the rear and on the sides below the cooktop.

A. 18" (45.7 cm) upper cabinet to countertop
B. 13" (33.0 cm) upper cabinet depth
C. 30" (76.2 cm) min. opening width
D. For minimum clearance to the top of the cooktop, see NOTE.
E. 30" (76.2 cm) min. opening width
F. 3" (7.6 cm) min. clearance from both sides of the range to the side wall or other combustible material.
G. Cabinet door or hinges should not extend into the cutout.
H. 3" (7.6 cm) distance from wall
I. 1½" (3.8 cm) min. from right side cabinet
J. 8" (20.3 cm) width
K. 7" (17.8 cm) min. from floor
L. 2" (5.1 cm) min. from floor



***** Drill on centerline 1¼" (3.1 cm) from rear wall for gas supply line.

****** Gas lines must be installed within the shaded area to ensure proper alignment of this oven with cabinets.

******* Recessed electrical plugs must be installed within the shaded area to ensure proper alignment of this oven with cabinets.

NOTE: 24" (61.0 cm) minimum when bottom of wood or metal cabinet is covered by not less than ¼" (0.64 cm) flame retardant millboard covered with not less than No. 28 MSG sheet steel, 0.015" (0.4 mm) stainless steel, 0.024" (0.6 mm) aluminum or 0.020" (0.5 mm) copper.

30" (76.2 cm) minimum clearance between the top of the cooking platform and the bottom of an uncovered wood or metal cabinet.

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